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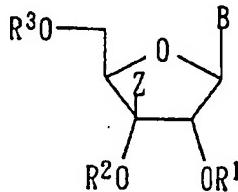
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## (54) 3'-SUBSTITUTED NUCLEOSIDE DERIVATIVES

(57) The invention relates to a 3'-substituted nucleoside derivative represented by the following general formula (1):



(1)

have at least one lower alkyl group. R<sup>1</sup> and R<sup>2</sup> individually represent H or an ester-forming residue capable of easily leaving in a living body, and R<sup>3</sup> is H, a mono- or polyphosphoric acid residue, or an ester-forming residue capable of easily leaving in a living body, with the proviso that the sugar moiety is ribose, or a pharmaceutically acceptable salt thereof. The 3'-substituted nucleoside derivative according to the invention has an excellent antitumor activity and is hence useful for treatment for and prevention of cancers.

wherein B means a nucleic acid base which may have a substituent, Z represents a lower alkynyl or lower alkenyl group which may be substituted by a group represented by the formula:



in which R<sup>a</sup>, R<sup>b</sup> and R<sup>c</sup> are individually a lower alkyl group or a phenyl group, or an oxiranyl group which may

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